ELSEVIER

Computer Networks 35 (2001) 733–735

COMPUTER NETWORKS

www.elsevier.com/locate/comnet

Author Index Volume 35

Aboulhamid, E., *see* **Bourhfir, C.** (6) 693
Aguilar-Igartua, M., *see* **Postigo-Boix, M.** (2–3) 165
Andersson, M., A. Ek and **N. Landin,** Utilizing UML in SDL-based development (6) 613
Andreetto, A., *see* **Licciardi, C.A.** (5) 537
Anjum, F., F. Caruso, R. Jain, P. Missier and **A. Zordan,** CitiTime: a system for rapid creation of portable next-generation telephony services (5) 579

Barton, J., *see* **Kindberg, T.** (4) 443
Batten, L., *see* **Desmedt, Y.** (2–3) 223
Beigl, M., H.-W. Gellersen and **A. Schmidt,** Mediacups: experience with design and use of computer-augmented everyday artefacts (4) 401
Beijar, N., *see* **Kantola, R.** (5) 597
Bhoj, P., S. Singhal and **S. Chutani,** SLA management in federated environments (1) 5
Borisov, N., *see* **Gribble, S.D.** (4) 473
Bourhfir, C., E. Aboulhamid, F. Khendek and **R. Dssouli,** Test cases selection from SDL specifications (6) 693
Bowman, P., *see* **Lehman, T.J.** (4) 457
Brewer, E.A., *see* **Gribble, S.D.** (4) 473

Canal, G., *see* **Licciardi, C.A.** (5) 537
Caruso, F., *see* **Anjum, F.** (5) 579
Cayirci, E. and **C. Ersoy,** A PCS based architecture for tactical mobile communications (2–3) 327
Chapron, J.-E. and **B. Chatras,** An analysis of the IN call model suitability in the context of VoIP (5) 521
Charnes, C., *see* **Desmedt, Y.** (2–3) 223
Chatras, B., *see* **Chapron, J.-E.** (5) 521
Chen, J., *see* **Zhu, X.** (5) 507
Chong, E.K.P., *see* **Kalyanasundaram, S.** (2–3) 307
Chutani, S., *see* **Bhoj, P.** (1) 5
Cozzi, A., *see* **Lehman, T.J.** (4) 457
Culler, D., *see* **Gribble, S.D.** (4) 473
Czerwinski, S., *see* **Gribble, S.D.** (4) 473

Davis, P., *see* **Lehman, T.J.** (4) 457
De Cnodder, S., O. Elloumi and **K. Pauwels,** Rate adaptive shaping for the efficient transport of data traffic in diffserv networks (2–3) 263
Desmedt, Y., R. Safavi-Naini, H. Wang, L. Batten, C. Charnes and **J. Pieprzyk,** Broadcast anti-jamming systems (2–3) 223
Dssouli, R. and **Y. Lahav,** MSC and SDL in project life cycles (Guest Editorial) (6) 611
Dssouli, R., *see* **Bourhfir, C.** (6) 693

Ek, A., *see* **Andersson, M.** (6) 613
Elloumi, O., *see* **De Cnodder, S.** (2–3) 263
Ersoy, C., *see* **Cayirci, E.** (2–3) 327

Feridun, M. and **J. Krause,** A framework for distributed management with mobile components (1) 25
Florissi, D., *see* **Florissi, P.G.S.** (1) 57
Florissi, P.G.S., Y. Yemini and **D. Florissi,** QoSockets: a new extension to the sockets API for end-to-end application QoS management (1) 57

García-Haro, J., *see* **Postigo-Boix, M.** (2–3) 165
Gellersen, H.-W., *see* **Beigl, M.** (4) 401
Georganas, N.D., *see* **Shirmohammadi, S.** (2–3) 351
Geppert, B. and **F. Rößler,** The SDL pattern approach – a reuse-driven SDL design methodology (6) 627
Glance, N., D. Snowdon and **J.-L. Meunier,** Pollen: using people as a communication medium (4) 429
Glitho, R.H., Emerging alternatives to today's advanced service architectures for Internet telephony: IN and beyond (5) 551
Gottschalk, J., *see* **Lehman, T.J.** (4) 457
Gribble, S.D., M. Welsh, R. von Behren, E.A. Brewer, D. Culler, N. Borisov, S. Czerwinski, R. Gummadi, J. Hill, A. Joseph, R.H. Katz, Z.M. Mao, S. Ross and **B. Zhao,** The Ninja architecture for robust Internet-scale systems and services (4) 473
Gummadi, R., *see* **Gribble, S.D.** (4) 473

Haugen, Ø., MSC-2000 interaction diagrams for the new millennium (6) 721
Hellerstein, J.L., F. Zhang and **P. Shahabuddin,** A statistical approach to predictive detection (1) 77

1389-1286/01/$ - see front matter © 2001 Published by Elsevier Science B.V.
PII: S1389-1286(01)00178-5

Hermann, R., D. Husemann, M. Moser, M. Nidd, C. Rohner and **A. Schade,** DEAPspace – transient ad hoc networking of pervasive devices (4) 411
Hill, J., *see* **Gribble, S.D.** (4) 473
Hintelmann, J., R. Hofmann, F. Lemmen, A. Mitschele-Thiel and **B. Müller-Clostermann,** Applying techniques and tools for the performance engineering of SDL systems (6) 647
Hofmann, R., *see* **Hintelmann, J.** (6) 647
Hopper, A., *see* **Jones, A.** (4) 377
Hum, A.P.J., Fabric area network – a new wireless communications infrastructure to enable ubiquitous networking and sensing on intelligent clothing (4) 391
Husemann, D., Pervasive computing: Hogwarts, StarTrek, reality and back (Guest-Editorial) (4) 373
Husemann, D., *see* **Hermann, R.** (4) 411

Jain, R., *see* **Anjum, F.** (5) 579
Jain, R., *see* **Liu, C.** (2–3) 185
Jones, A. and **A. Hopper,** The prototype embedded network (PEN) (4) 377
Joseph, A., *see* **Gribble, S.D.** (4) 473

Kalyanasundaram, S., E.K.P. Chong and **N.B. Shroff,** Admission control schemes to provide class-level QoS in multiservice networks (2–3) 307
Kantola, R., J.C. Requena and **N. Beijar,** Interoperable routing for IN and IP Telephony (5) 597
Katz, R.H., *see* **Gribble, S.D.** (4) 473
Khavar, B., *see* **Lehman, T.J.** (4) 457
Khendek, F., *see* **Bourhfir, C.** (6) 693
Kindberg, T. and **J. Barton,** A Web-based nomadic computing system (4) 443
Kolyvas, G.T., *see* **Polykalas, S.E.** (2–3) 97
Krause, J., *see* **Feridun, M.** (1) 25

Lago, P., *see* **Licciardi, C.A.** (5) 537
Lahav, Y., *see* **Dssouli, R.** (6) 611
Landin, N., *see* **Andersson, M.** (6) 613
Landis, S., *see* **Lehman, T.J.** (4) 457
Lee, D., K.K. Ramakrishnan and **W.M. Moh,** Correctness and performance of the ATM ABR rate control scheme (2–3) 237
Lehman, T.J., A. Cozzi, Y. Xiong, J. Gottschalk, V. Vasudevan, S. Landis, P. Davis, B. Khavar and **P. Bowman,** Hitting the distributed computing sweet spot with TSpaces (4) 457
Lemmen, F., *see* **Hintelmann, J.** (6) 647
Li, Z.G., X.J. Yuan, C.Y. Wen and **B.H. Soong,** A switched priority scheduling mechanism for ATM switches with multi-class output buffers (2–3) 203
Liao, J., *see* **Zhu, X.** (5) 507
Licciardi, C.A., G. Canal, A. Andreetto and **P. Lago,** An architecture for IN-internet hybrid services (5) 537
Lin, Y.-D., *see* **Tsao, S.-C.** (2–3) 287
Liu, C. and **R. Jain,** Improving explicit congestion notification with the mark-front strategy (2–3) 185
Lupu, E., S. Mazumdar and **R. Stadler,** Selected topics in network and systems management (Editorial) (1) 1

Magedanz, T. and **M. Smirnov,** Voice/data integration – a snapshot of intelligent networks and Internet convergence (Guest Editorial) (5) 503
Mansurov, N.N. and **R.L. Probert,** Improving time-to-market using SDL tools and techniques (6) 667
Mao, Z.M., *see* **Gribble, S.D.** (4) 473
Mazumdar, S., *see* **Lupu, E.** (1) 1
Meunier, J.-L., *see* **Glance, N.** (4) 429
Missier, P., *see* **Anjum, F.** (5) 579
Mitschele-Thiel, A., *see* **Hintelmann, J.** (6) 647
Moh, W.M., *see* **Lee, D.** (2–3) 237
Moser, M., *see* **Hermann, R.** (4) 411
Müller-Clostermann, B., *see* **Hintelmann, J.** (6) 647

Nidd, M., *see* **Hermann, R.** (4) 411

Pauwels, K., *see* **De Cnodder, S.** (2–3) 263
Perdikeas, M.K. and **I.S. Venieris,** Parlay-based service engineering in a converged Internet–PSTN environment (5) 565
Pieprzyk, J., *see* **Desmedt, Y.** (2–3) 223
Polykalas, S.E., G.T. Kolyvas and **I.S. Venieris,** An adaptive congestion control mechanism for intelligent broadband networks (2–3) 97
Postigo-Boix, M., J. García-Haro and **M. Aguilar-Igartua,** IMA: technical foundations, application and performance analysis (2–3) 165
Probert, R.L., *see* **Mansurov, N.N.** (6) 667

Quittek, J., *see* **Schönwälder, J.** (1) 39

Ramakrishnan, K.K., *see* **Lee, D.** (2–3) 237
Reed, R., Notes on SDL-2000 for the new millennium (6) 709
Requena, J.C., *see* **Kantola, R.** (5) 597
Rohner, C., *see* **Hermann, R.** (4) 411
Ross, S., *see* **Gribble, S.D.** (4) 473
Rößler, F., *see* **Geppert, B.** (6) 627

Safavi-Naini, R., *see* **Desmedt, Y.** (2–3) 223
Schade, A., *see* **Hermann, R.** (4) 411
Schmidt, A., *see* **Beigl, M.** (4) 401
Schönwälder, J. and **J. Quittek,** Secure Internet management by delegation (1) 39
Shahabuddin, P., *see* **Hellerstein, J.L.** (1) 77
Sharon, O. and **M. Spratt,** A CSMA/CD compatible MAC for real-time transmissions based on varying collision intervals (2–3) 117
Shirmohammadi, S. and **N.D. Georganas,** An end-to-end communication architecture for collaborative virtual environments (2–3) 351

Shivakumar, M., *see* **Venugopal, K.R.** (2–3) 143
Shroff, N.B., *see* **Kalyanasundaram, S.** (2–3) 307
Singhal, S., *see* **Bhoj, P.** (1) 5
Smirnov, M., *see* **Magedanz, T.** (5) 503
Snowdon, D., *see* **Glance, N.** (4) 429
Soong, B.H., *see* **Li, Z.G.** (2–3) 203
Spratt, M., *see* **Sharon, O.** (2–3) 117
Sreenivasa Kumar, P., *see* **Venugopal, K.R.** (2–3) 143
Stadler, R., *see* **Lupu, E.** (1) 1

Tsao, S.-C. and **Y.-D. Lin,** Pre-order Deficit Round Robin: a new scheduling algorithm for packet-switched networks (2–3) 287

Vasudevan, V., *see* **Lehman, T.J.** (4) 457
Venieris, I.S., *see* **Perdikeas, M.K.** (5) 565
Venieris, I.S., *see* **Polykalas, S.E.** (2–3) 97
Venugopal, K.R., M. Shivakumar and **P. Sreenivasa Kumar,** A heuristic for placement of limited range wavelength converters in all-optical networks (2–3) 143
von Behren, R., *see* **Gribble, S.D.** (4) 473

Wang, H., *see* **Desmedt, Y.** (2–3) 223
Welsh, M., *see* **Gribble, S.D.** (4) 473
Wen, C.Y., *see* **Li, Z.G.** (2–3) 203

Xiong, Y., *see* **Lehman, T.J.** (4) 457

Yemini, Y., *see* **Florissi, P.G.S.** (1) 57
Yuan, X.J., *see* **Li, Z.G.** (2–3) 203

Zhang, F., *see* **Hellerstein, J.L.** (1) 77
Zhao, B., *see* **Gribble, S.D.** (4) 473
Zhu, X., J. Liao and **J. Chen,** IIN model: modifications and case study (5) 507
Zordan, A., *see* **Anjum, F.** (5) 579

ELSEVIER

Computer Networks 35 (2001) 737–739

COMPUTER NETWORKS

www.elsevier.com/locate/comnet

Subject Index Volume 35

Accelerated development, 667
Active network management, 25
Ad hoc, 377
Adjacent wavelength conversion, 143
Analysis, 203
Anti-jamming, 223
Application management, 57
ASN.1, 709
Asynchronous transfer mode (ATM), 203, 237
Available bit rate (ABR), 237

Bluetooth, 411
Broadcast networks, 117
Buffer size requirement, 185

Call admission control, 307
Class-level QoS, 307
Code mobility, 25
Collaborative virtual environments, 351
Computer telephony integration, 579
Conformance, 709
Congestion control, 143, 185
Congestion control mechanism, 97
Connectionware, 457
Constrained Markov decision process, 307
Context-awareness, 401
Control-flow testing, 693
Correctness, 237
Cover-free family, 223
CSCW, 429
CSMA/CD, 117
CTRIP, 597
Current SDL, 709

Data method, 709
Data object, 709
Data replication, 597
Data synchronization, 597
Data-flow testing, 693
Database, 457
Deficit, 287
Design methodology, 627
DiffServ, 263
Digital artefacts, 401
Directory, 597
Distributed computing, 457
Distributed management, 25
Distributed service discovery, 411
Distributed systems, 473, 627

EFSM, 693
Embedded, 377
Embedded systems, 401
Emission-safe, 391
ENUM, 597
Ethernet, 117
Exceptions, 709
Explicit congestion notification, 185

Fair queueing, 287
Fairness, 185
Federated management, 5
Feedback congestion control, 237
Formal language, 721
Formal methods, 667

Gateway, 507
Global convergence, 203

H.323, 521, 551
Home LAN, 117
HomeCast OpenProtocol, 411

IEEE 802.11, 411
IEEE 802.15, 411
IN, 521, 537, 551
Information flow trail, 507
Intelligent broadband networks, 97
Intelligent clothing, 391
Intelligent network, 507, 565
Interference-free wireless RFID networks, 391
Internet, 507, 537
Internet management, 39

1389-1286/01/$ - see front matter © 2001 Published by Elsevier Science B.V.
PII: S1389-1286(01)00179-7

Internet telephony, 565
Interworking, 507
Inverse multiplexing for ATM, 165
ITU-T, 709

Java, 39, 457
Java call control, 579

Key distribution pattern, 223

Lightpaths, 143
Linear program, 307
Location-aware computing, 443

Management by delegation, 39
MANET, 429
Mark-front, 185
Mediacup, 401
MEGACO, 521
Message oriented middleware, 457
Message Sequence Charts, 709, 721
Messaging, 457
Mobile agents, 25, 551
Mobile code, 565
Mobile computing, 429
Mobile subsystem, 327
Modeling, 165, 97
Monitoring, 647
MSC, 709, 721
Multi-class, 203
Multi-device applications, 411

Network, 377
Network management, 39
Network planning, 165
Networked multiuser spaces, 351
Networking, 401
Next generation networks, 579
Ninja architecture, 473
Nomadic computing, 443
Number portability, 597

Object orientation, 721
Open programmable networks, 579

Packet scheduling, 287
Parlay, 565
Patterns, 627
Peer-to-peer communication, 411
Perfect hash family, 223
Performance evaluation, 165, 647
Personal communications services, 327
Pervasive computing, 473
Prediction, 77
Proactive management, 77
Process model, 627
Protocol, 377, 597
Proximity based networking, 411
Push model, 411

QoS management, 57
Quality of service, 307

Rate based congestion control, 237
Real-time applications, 613
Real-time traffic, 117
Recommendations, 709
Resource discovery, 443
Round robin, 287
Routing, 597

Safety, 39
Scalable services, 473
Scripting, 39
SCSP, 597
SDL, 613, 627, 647, 693, 709
SDL combined with UML, 709
SDL tools, 667
SDL-88, 709
SDL-92, 709
SDL-2000, 709
Security, 39
Sequence diagram, 721
Service advertising, 411
Service architecture, 537, 551
Service description, 411
Service discovery, 411
Service level agreements, 5
Signalling interworking, 565
Simplification, 709
Simulation, 97, 429
SIP, 521, 551
Software architecture, 613
Software engineering processes, 667
Software reuse, 627
Standards, 709
Switched priority scheduling mechanism, 203
Synchronous, 351
System monitoring, 5
Systems engineering, 647

Tactical communications, 327
TCP, 263
TCP/IP, 647
Tele-collaboration, 351
Telecommunications, 667
Test criteria, 693
Test selection, 693

Thin clients, 473
Time series model, 77
Time-to-market, 667
Timely reliable communication, 351
Traffic control, 263
Traffic shaping, 263
Transient ad-hoc networking, 411
TRIP, 597
trTCM, 263
Tuplespaces, 457

Ubiquitous communication, 537
Ubiquitous computing, 401, 443
UML, 613
Virtual presence, 537
Voice over IP, 521, 537, 579, 597

Wavelength converters, 143
WDM networks, 143
Web presence, 443
Wideband code division multiple access, 327
Wireless, 377

Z.100, 709
Z.105, 709
Z.106, 709
Z.107, 709
Z.109, 709